

# Structures and Forces

Topic 1  
Types of Structures

# Classifying Structures

Natural Structures: Structures that are not made by people. These may provide shelter or play a role in an ecosystem



Manufactured Structures: Man Made structures. These are often modelled after natural structures



# Design

Design refers to how structures are built.  
There are three types of designs

# Mass Structures

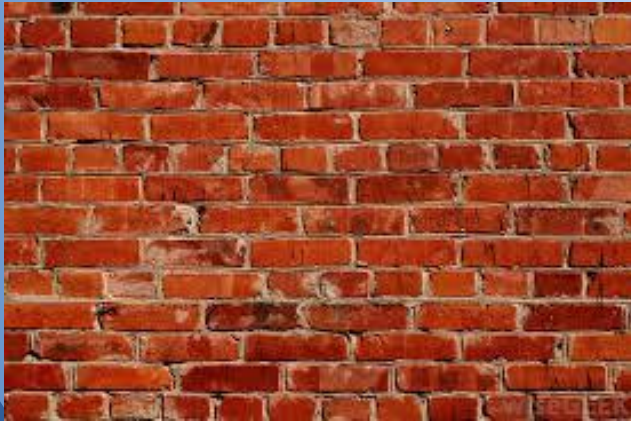
A mass structure can be made by piling or forming similar materials into a particular shape or design.





# Mass Structures

Layered look - Mass structures that are arranged in a layered pattern



# Frame Structures

Frame structures have a skeleton of very strong material, which supports the rest of the structure.



# Shell Structure

Shell structures have a thin, carefully shaped outer layer of material





# Combination Structures

- Football helmets are a shell structure with a frame on the front
- Airplanes have a strong frame but are covered in a light shell



# Questions

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